Meeting the Readiness Challenge:
Testing & Training Integration

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Readiness Evaluation

Readiness Measurement = $f(T_C, M_C)$

T_C = Team Competencies (Knowledge and Skills)

- ☛ ***Training***

M_C = Material Condition (Engineered Performance)

- ☛ ***Testing***

Training Requirements

- Focus on team capabilities
- Realistic situation
- Team performance data
- Analysis versus capability standards
- Timely after action review
- Sequences of training events

Training Requirements

- **Objective Based**
- Realistic situation
- Team performance data
- Analysis versus capability standards
- Timely after action review
- Sequences of training events

Training Requirements

- **Objective Based**
- **Contextual Environment**
- Team performance data
- Analysis versus capability standards
- Timely after action review
- Sequences of training events

Training Requirements

- **Objective Based**
- **Contextual Environment**
- **Data Collection**
- Analysis versus capability standards
- Timely after action review
- Sequences of training events

Training Requirements

- **Objective Based**
- **Contextual Environment**
- **Data Collection**
- **Performance Analysis**
- Timely after action review
- Sequences of training events

Training Requirements

- **Objective Based**
- **Contextual Environment**
- **Data Collection**
- **Performance Analysis**
- **Timely Relevant Feedback**
- Sequences of training events

Training Requirements

- **Objective Based**
- **Contextual Environment**
- **Data Collection**
- **Performance Analysis**
- **Timely Relevant Feedback**
- **Repeatable, Variable**

Testing Requirements

- Focus on system performance
- Realistic test environment
- System performance data
- Analysis versus performance standards
- Timely test results
- Sequences of test events

Testing Requirements

- **Objective Based**
- Realistic test environment
- System performance data
- Analysis versus performance standards
- Timely test results
- Sequences of test events

Testing Requirements

- **Objective Based**
- **Contextual Environment**
- System performance data
- Analysis versus performance standards
- Timely test results
- Sequences of test events

Testing Requirements

- **Objective Based**
- **Contextual Environment**
- **Data Collection**
- Analysis versus performance standards
- Timely test results
- Sequences of test events

Testing Requirements

- **Objective Based**
- **Contextual Environment**
- **Data Collection**
- **Performance Analysis**
- Timely test results
- Sequences of test events

Testing Requirements

- **Objective Based**
- **Contextual Environment**
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- **Performance Analysis**
- **Timely Relevant Feedback**
- Sequences of test events

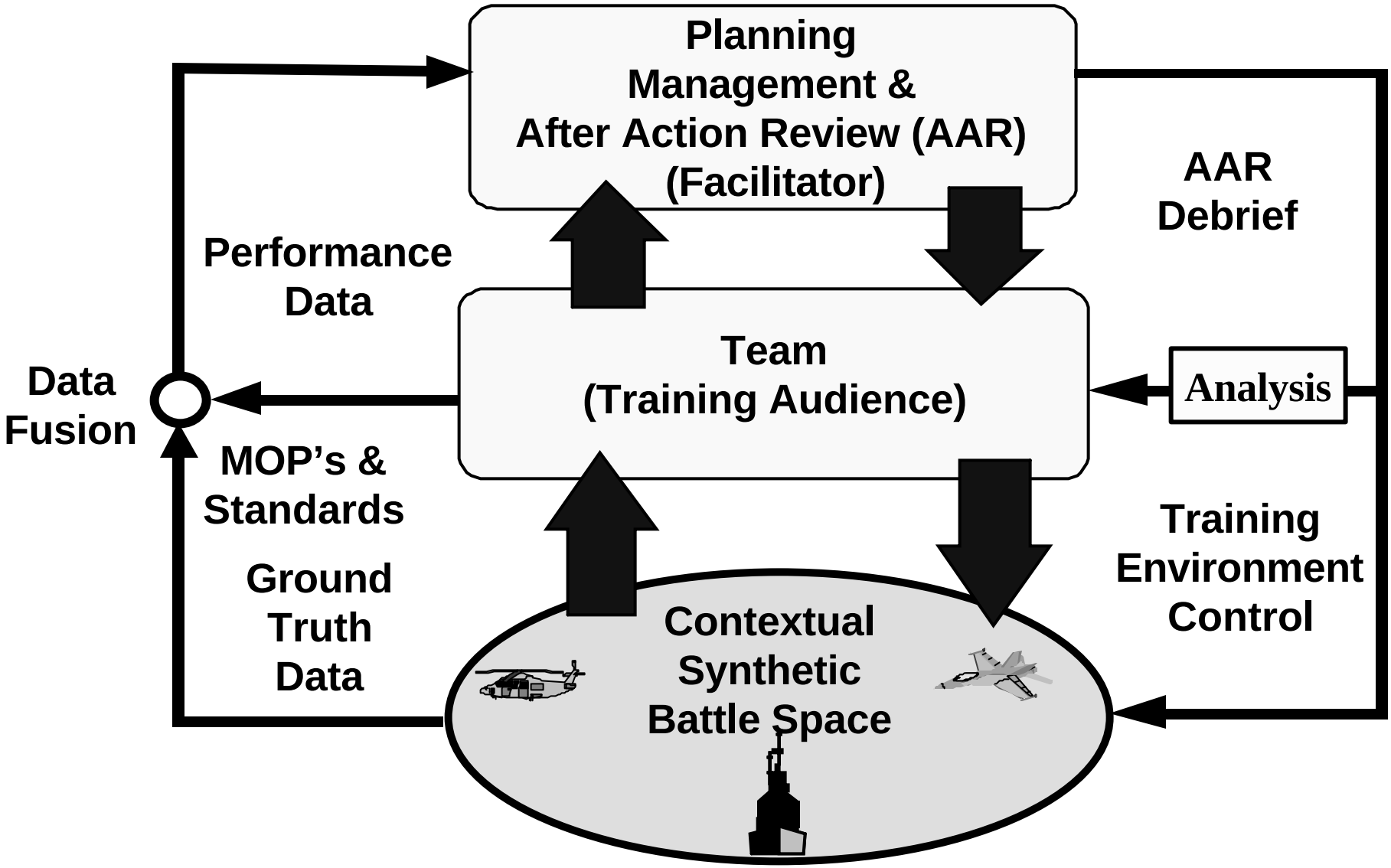
Testing Requirements

- **Objective Based**
- **Contextual Environment**
- **Data Collection**
- **Performance Analysis**
- **Timely Relevant Feedback**
- **Repeatable, Variable**

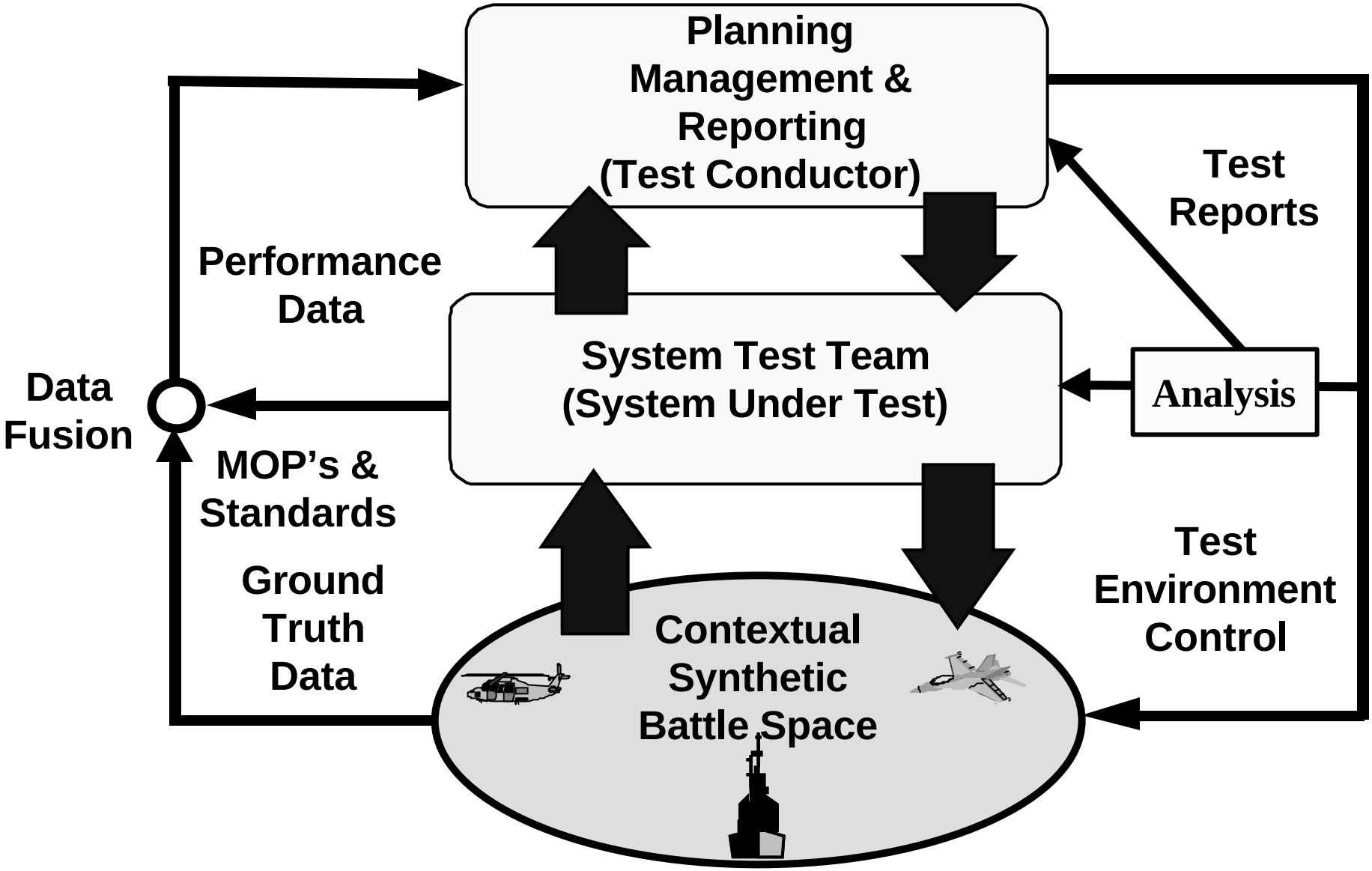
Common Requirements

- **Objective Based**
- **Contextual Environment**
- **Data Collection**
- **Performance Analysis**
- **Timely Relevant Feedback**
- **Repeatable, Variable**

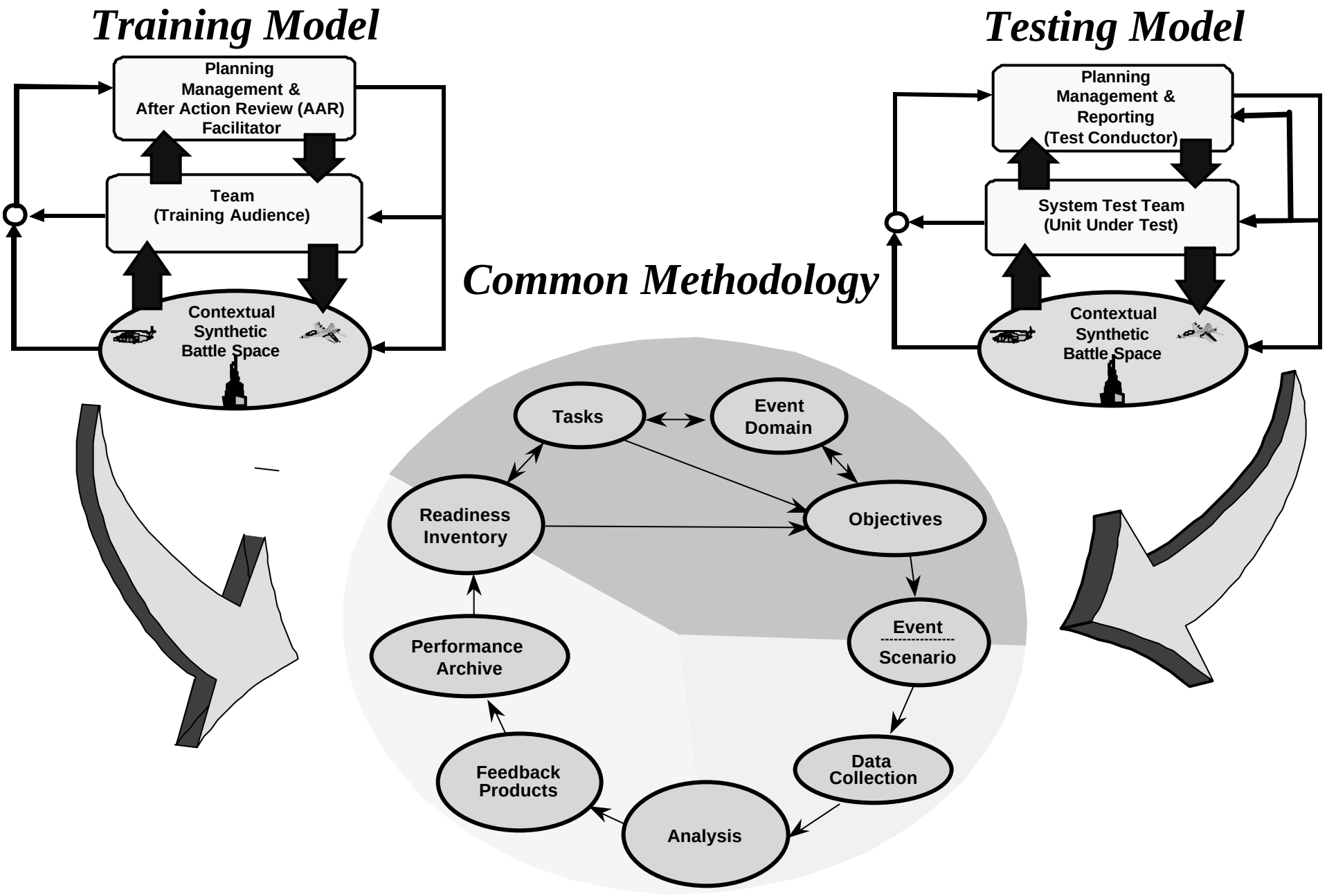
Training Model



Testing Model



Testing & Training Integration Strategy



Readiness Management

$$\text{Readiness} = \int_{t_1}^{t_2} (T_C, M_C)$$

T_C = Team Competencies (Knowledge and Skills)

- ☛ ***Training***

M_C = Material Condition (Engineered Performance)

- ☛ ***Testing***